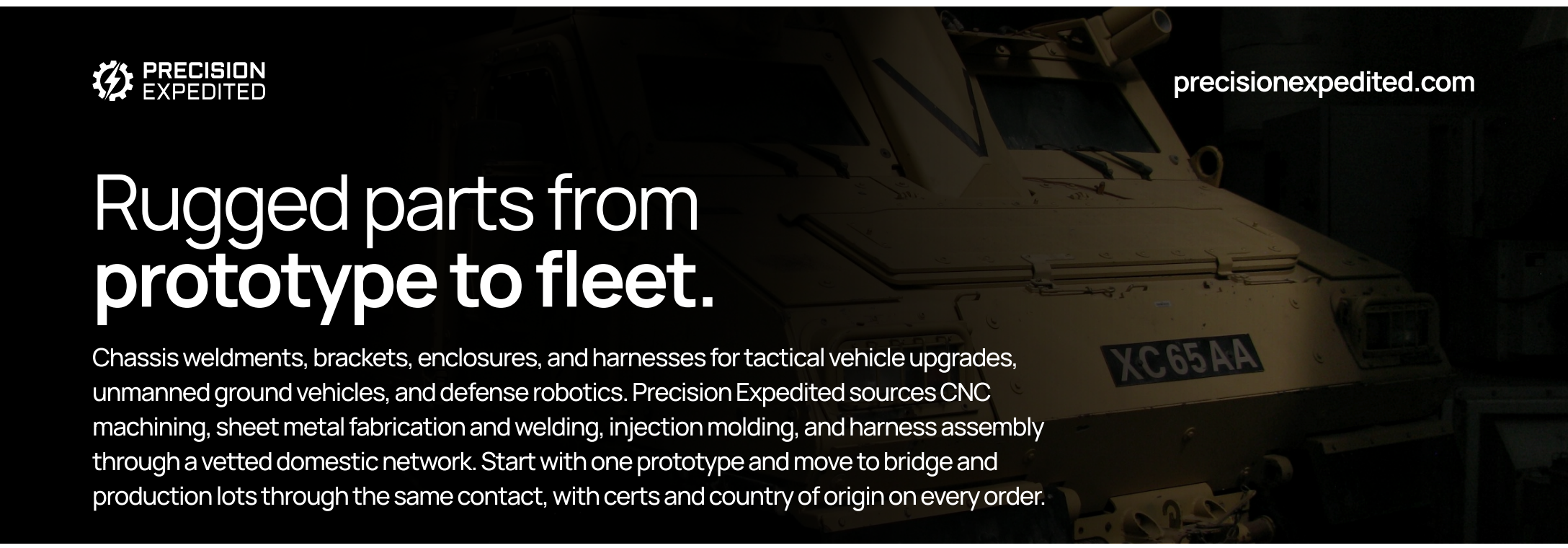
GROUND VEHICLES + ROBOTICS



Rugged parts from **prototype to fleet.**

Chassis weldments, brackets, enclosures, and harnesses for tactical vehicle upgrades, unmanned ground vehicles, and defense robotics. Precision Expedited sources CNC machining, sheet metal fabrication and welding, injection molding, and harness assembly through a vetted domestic network. Start with one prototype and move to bridge and production lots through the same contact, with certs and country of origin on every order.

How We Review It

Your project manager and a technical lead review every print within 24 hours. For vehicle and robotics hardware we check weldment tolerances and distortion risk, confirm coating and corrosion callouts, and route each part to a shop with the right process and the capacity to grow with your volume.

What We Source

One contact across machining, fabrication, and assembly.

- **Chassis + Frame Weldments** · Steel and aluminum
- **Brackets + Mounts** · Machined or formed
- **Control Enclosures** · Sheet metal and billet
- **Battery Housings** · Formed and welded
- **Actuator Components** · Shafts, couplers, spacers
- **Sensor + Camera Mounts** · Machined aluminum
- **Molded Covers** · Production plastic parts
- **Wire Harnesses** · Built to print

Specifications

- **Tolerances:** ±0.005" standard, to ±0.001" on critical features
- **Materials:** Steel, stainless, 6061 + 5052 aluminum, nylon, ABS
- **Processes:** CNC, sheet metal, welding, injection molding, harnesses
- **Finishes:** Powder coat, paint, anodize, plating, to print
- **Documentation:** Material certs, inspection records, country of origin
- **Quote review:** Within 24 hours

Before It's Built

Vehicle and robot builds mix processes, and that is where schedules slip. We check weldments that need machining after welding, flag sheet metal bends that won't hold flat after coating, look for parts that should move to molding as volume grows, and line up finishing so it doesn't become the long pole. You hear about it before the quote goes out.

Quality + Compliance

ISO 9001:2015 | AS9100D Compliant | ITAR Registered

NIST 800-171 Compliant | Tolerances to ±0.001"

Inspection before shipment | Weld + fab to print

Built Fast. Built Right.

Send us your files.

Scan or visit **precisionexpedited.com/contact**